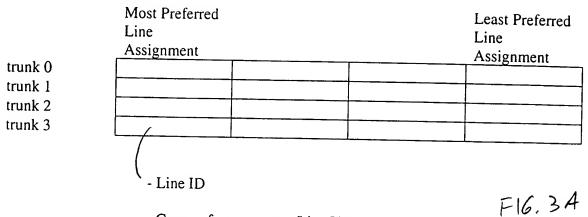


Inbound Routing Table



- Group of one or more Line IDs (each Line of the Group rings concurrently)
- Ordered Groups of one or more Line IDs

 (if any line of "most preferred group" is unavailable,
 proceed to next Group; for "first available" Group, each
 Line of this Group rings concurrently)

First Exemplary Inbound Routing Table

0	1	2	3
1	0	2	3
2	3	1	0
3	3	1	0

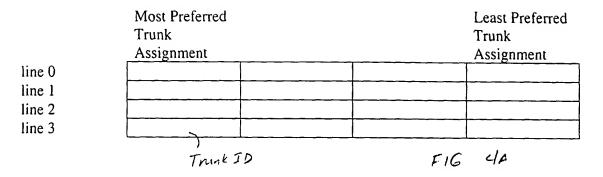
F16. 3B

Second Exemplary Inbound Routing Table

0	1	2	3
(0,1)	2	3	FF
(0,1), (1,2)	3	1	FF
3	3	1	0

F16. 3C

Outbound Routing Table



First Exemplary Type 1 (Local) Outbound Routing Table

1	0	2	3	}	
1	0	2	3	}	
1	0	2	3	F 16.	40
1	0	2	3]	

First Exemplary Type 2 (Long Distance) Routing Table

	2	3	1	0		
ſ	2	3	1	0	٠, ٠,	40
	2	3	1	0	F16	40
	2	3	1	0		

Second Exemplary Type 1 (Local) Outbound Routing Table

0	1	FF	FF]	
1	0	FF	FF	F 16	UD
1	0	FF	FF	1 1516	עויי
1	0	FF	FF]	

Second Exemplary Type 2 (Long Distance) Outbound Routing Table

3	2	FF	FF		
3	2	FF	FF	F16	4E
3	2	FF	FF	1 16	96
3	2	FF	FF		

Trunk Ownership Data Structure for a given Trunk

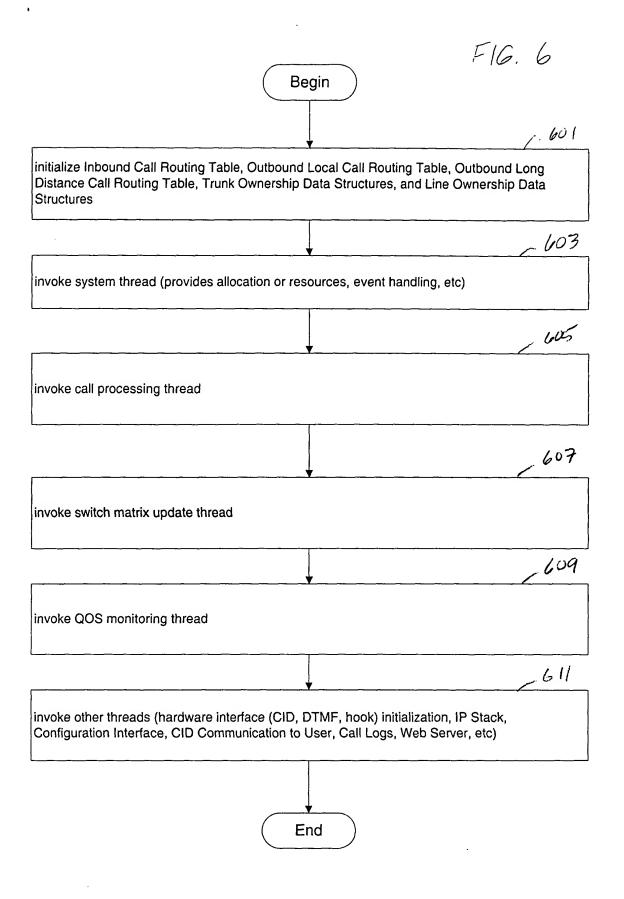
Active Status Field (bit 7)	Optimization Status Field (bit 6)	If Active, then (bits 5-0) = Owning Call Object ID
'1' = Active (A) '0' = Inactive (I)	'1' = Currently Being Optimized (OP)	If Inactive, then (bits 5 - 0) = Default Trunk ID
	'0' = Not Being Optimized (NOP)	

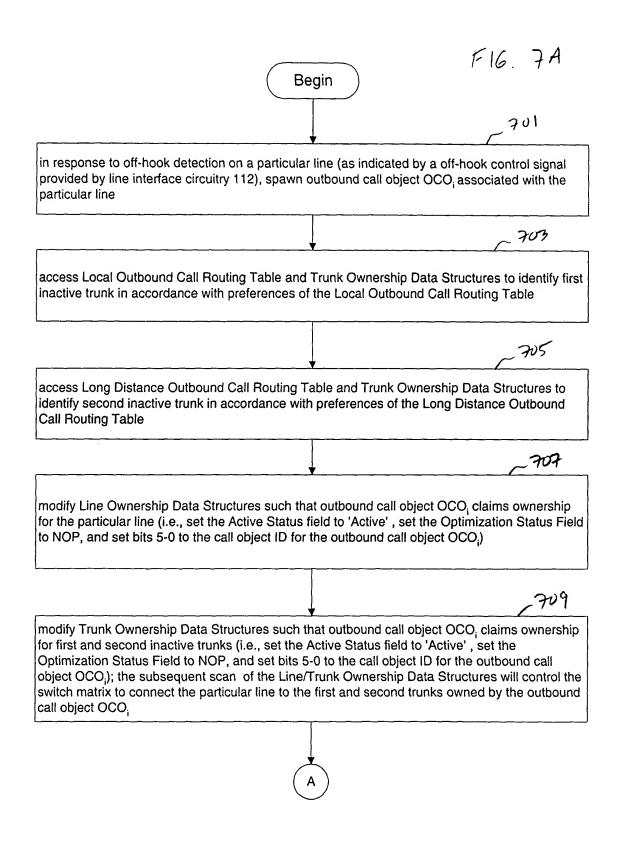
F16. 5A

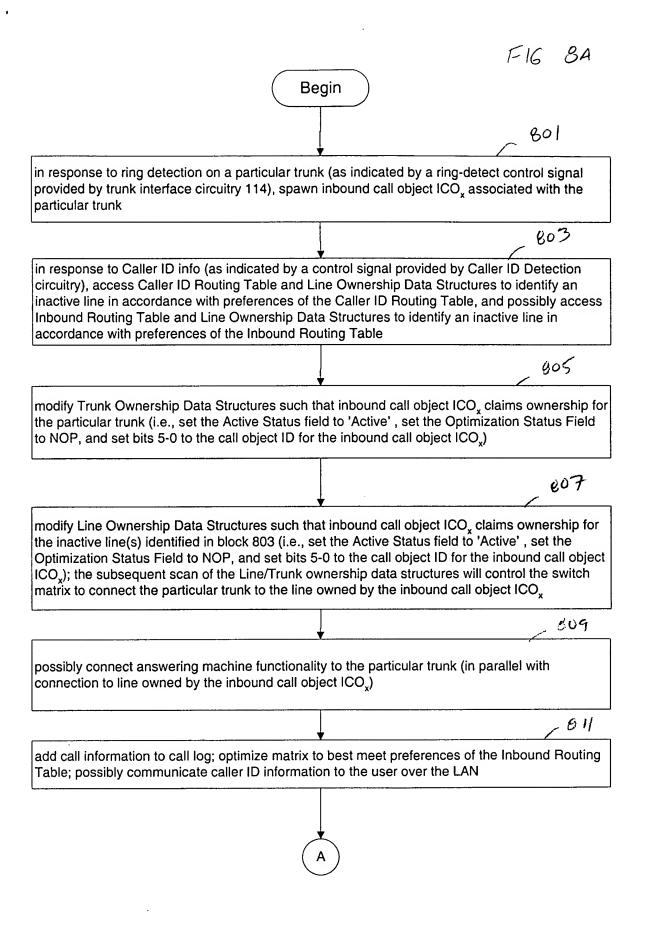
Line Ownership Data Structure for a given Line

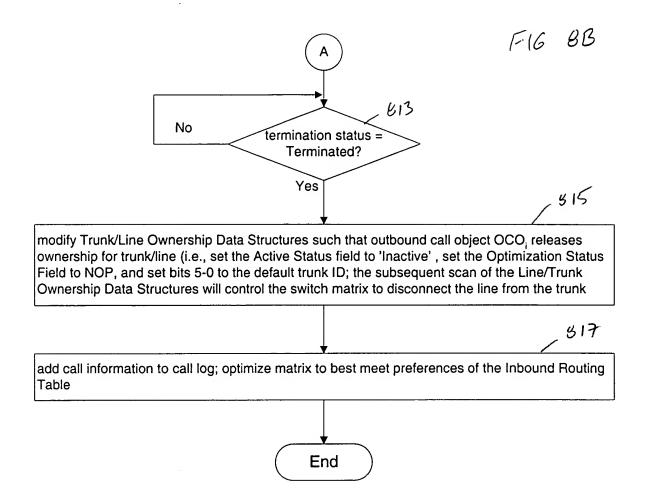
Active Status Field (bit 7)	Optimization Status Field (bit 6)	If Active, then (bits 5-0) = Owning Call Object ID
'1' = Active (A) '0' = Inactive (I)	'1' = Currently Being Optimized (OP) '0' = Not Being Optimized (NOP)	If Inactive and NOP, then (bits 5-0) = Trunk ID for Inbound and Outbound Call Processing

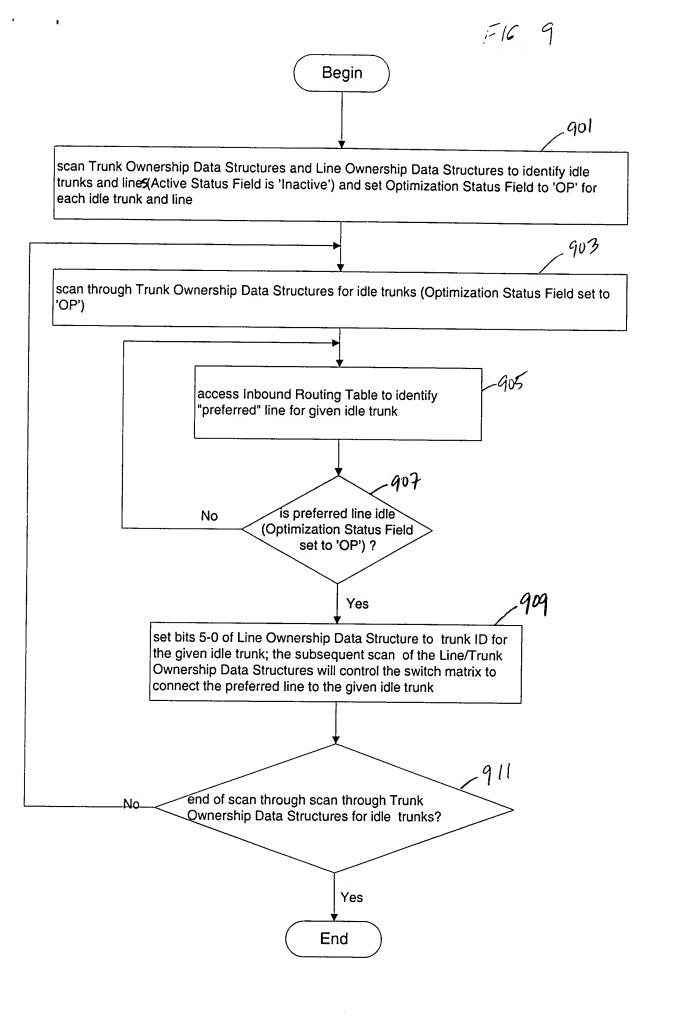
FIG. 5B











Trunk 0 Truck 1 Truck 2 Truck 3 I/NOP/00 I/NOP/01 I/NOP/02 I/NOP/03 FIG. 11 I / OP/ 00 I/OP/01 I/OP/ 03 I/OP/02 Trunk duy Omerduy 13ytes I/NOP/00 1/NOP/01 I/NOP/03 A / NOP / 80 I / NOP/ 00 I/OP/01 A / NOP / 80 I / NOP/ 03 I/OP/00 I/OP/01 LINE Own-styl Bits A / NOP / 80 I/OP/03 I/NOP/00 A/NOP/80 A/NOP/80 I/NOP/03 I/NOP/00 I/NOP/01 I/NOP/02 I/NOP/03 I / NOP / 00 1/NOP/00 1/NOP/00 1/NOP/00 1/NOP/00 1/ OP / FF 1/ OP/00 Line 0 A / NOP / 80 1/NOP/01 1/NOP/01 1/ OP/ 01 Line 1 **SWITCH MATRIX** I / NOP / 02 I / NOP / 02 1/NOP/02 1, OP/02 I/ OP/ 旺 I / NOP / 01 1/00/旺 I/NOP/03 I/NOP/03 I/NOP/03 I / NOP / 03 I/NOP/03 I/ OP/03 I/ 0P/FF t_k 108

Time

